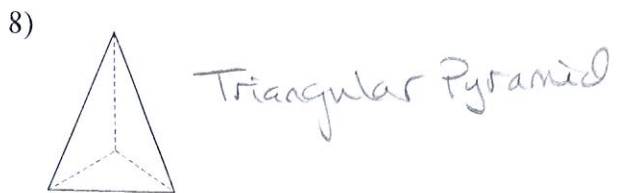
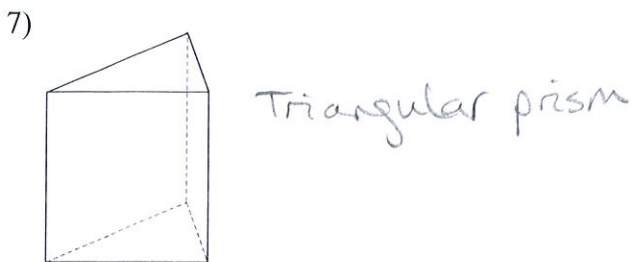
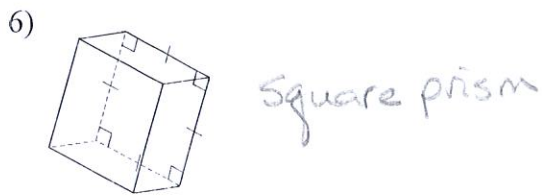
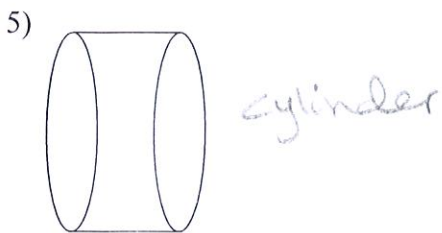
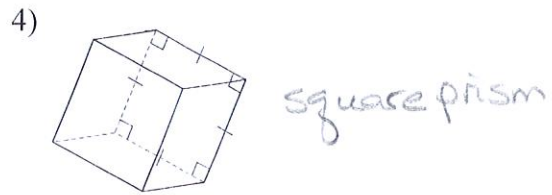
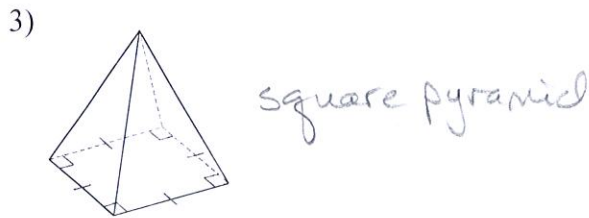
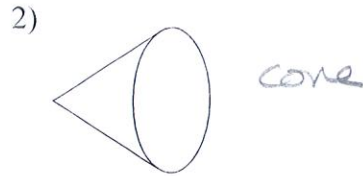
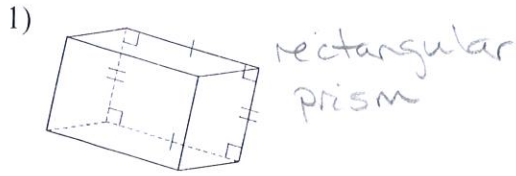
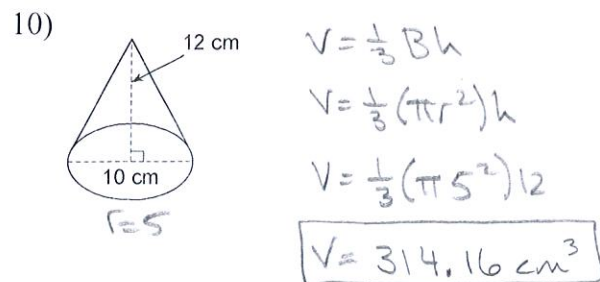
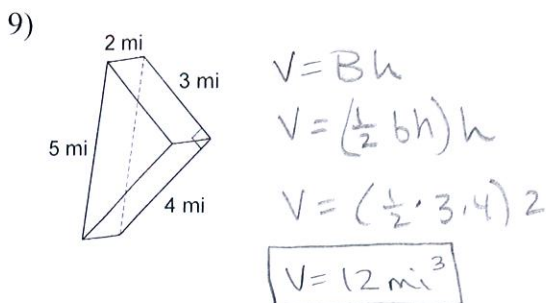


Homework - Mixed Practice

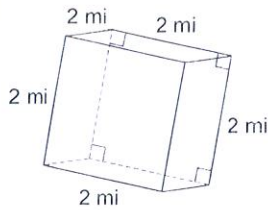
Name each figure.



Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.



11)



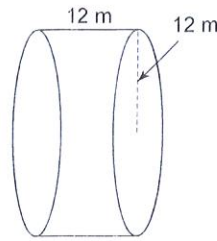
$$V = Bh$$

$$V = (l \cdot w)h$$

$$V = (2 \cdot 2)2$$

$$V = 8 \text{ mi}^3$$

12)



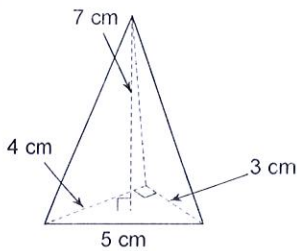
$$V = Bh$$

$$V = (\pi r^2)h$$

$$V = (\pi 12^2)12$$

$$V = 5428,67 \text{ m}^3$$

13)



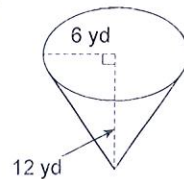
$$V = \frac{1}{3} Bh$$

$$V = \frac{1}{3} (\frac{1}{2} bh)h$$

$$V = \frac{1}{3} (\frac{1}{2} \cdot 4 \cdot 3)7$$

$$V = 14 \text{ cm}^3$$

14)



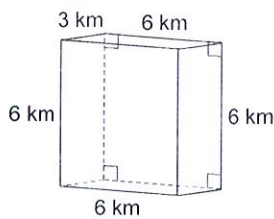
$$V = \frac{1}{3} Bh$$

$$V = \frac{1}{3} (\pi r^2)h$$

$$V = \frac{1}{3} (\pi 6^2)12$$

$$V = 452,39 \text{ yd}^3$$

15)



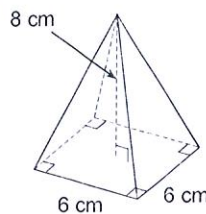
$$V = Bh$$

$$V = (l \cdot w)h$$

$$V = (6 \cdot 6)3$$

$$V = 108 \text{ km}^3$$

16)



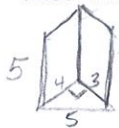
$$V = \frac{1}{3} Bh$$

$$V = \frac{1}{3} (l \cdot w)h$$

$$V = \frac{1}{3} (6 \cdot 6)8$$

$$V = 96 \text{ cm}^3$$

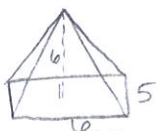
17) A prism 5 cm tall with a right triangle for a base with side lengths 3 cm, 4 cm, and 5 cm.



$$V = (\frac{1}{2} \cdot 4 \cdot 3)5$$

$$V = 30 \text{ cm}^3$$

18) A rectangular pyramid of height 6 ft measuring 5 ft and 6 ft along the base.



$$V = \frac{1}{3} (6 \cdot 5)6$$

$$V = 60 \text{ ft}^3$$

19) A cone with radius 1 km and a height of 6 km.



$$V = \frac{1}{3} (\pi 1^2)6$$

$$V = 6,28 \text{ km}^3$$

20) A square prism measuring 7 yd along each edge of the base and 6 yd tall.



$$V = 7 \cdot 7 \cdot 6$$

$$V = 294 \text{ yd}^3$$