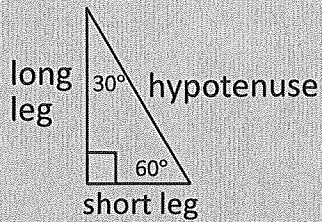


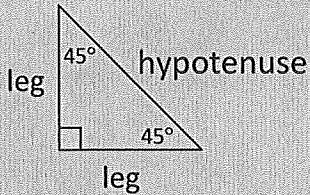
Special Right Triangles



$$\text{short leg} = \frac{1}{2} \cdot \text{hypotenuse}$$

$$\text{long leg} = \sqrt{3} \cdot (\text{short leg})$$

$$\text{hypotenuse} = 2 \cdot (\text{short leg})$$



legs are equal

$$\text{hypotenuse} = \sqrt{2} \cdot (\text{leg})$$

Use the 30-60-90 and 45-45-90 triangle relationships to solve for the missing sides. Use the answers to reveal the name of the team that Abraham M. Saperstein established and sent on the road in 1927.

1

2

3

4

5

6

7

8

9

8	$2\sqrt{2}$	3	6	$5\sqrt{3}$	4	7	12	$8\sqrt{2}$	10	$6\sqrt{3}$
A	B	E	G	H	L	M	O	R	S	T

- 8b
- 1b
- 4a
- 1b
- 2a
- 9b
- 5b
- 4b
- 6a
- 3a
- 5b
- 8a
- 5a
- 4a
- 7a
- 2b
- 8a
- 7b
- 3b
- 4b
- 9a
- 1a