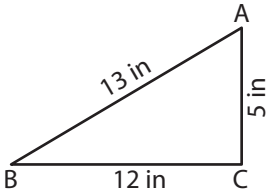
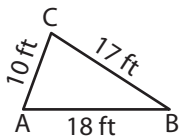



Name : \_\_\_\_\_

# Triangles

Sheet 1

A) Fill in the table.

Triangle	a <sup>2</sup>	b <sup>2</sup>	a <sup>2</sup> + b <sup>2</sup>	c <sup>2</sup>	a <sup>2</sup> + b <sup>2</sup> ___ c <sup>2</sup> (<, >, =)	Acute/ Obtuse/ Right Triangle
						
						
						

B) Fill in the table.

Sides of the Triangle	a <sup>2</sup>	b <sup>2</sup>	a <sup>2</sup> + b <sup>2</sup>	c <sup>2</sup>	a <sup>2</sup> + b <sup>2</sup> ___ c <sup>2</sup> (<, >, =)	Acute/ Obtuse/ Right Triangle
a = 6 ft ; b = 4 ft ; c = 9 ft						
a = 15 yd ; b = 8 yd ; c = 17 yd						
a = 9 in ; b = 18 in ; c = 19 in						
a = 5 ft ; b = 7 ft ; c = 11 ft						

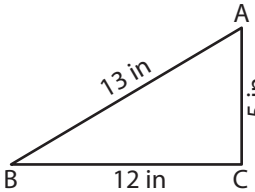
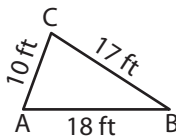

Name : \_\_\_\_\_

## Answer key

# Triangles

Sheet 1

A) Fill in the table.

Triangle	a <sup>2</sup>	b <sup>2</sup>	a <sup>2</sup> + b <sup>2</sup>	c <sup>2</sup>	a <sup>2</sup> + b <sup>2</sup> __ c <sup>2</sup> (<, >, =)	Acute/ Obtuse/ Right Triangle
	144	25	169	169	=	Right Triangle
	289	100	389	324	>	Acute Triangle
	169	121	290	400	<	Obtuse Triangle

B) Fill in the table.

Sides of the Triangle	a <sup>2</sup>	b <sup>2</sup>	a <sup>2</sup> + b <sup>2</sup>	c <sup>2</sup>	a <sup>2</sup> + b <sup>2</sup> __ c <sup>2</sup> (<, >, =)	Acute/ Obtuse/ Right Triangle
a = 6 ft ; b = 4 ft ; c = 9 ft	36	16	52	81	<	Obtuse Triangle
a = 15 yd ; b = 8 yd ; c = 17 yd	225	64	289	289	=	Right Triangle
a = 9 in ; b = 18 in ; c = 19 in	81	324	405	361	>	Acute Triangle
a = 5 ft ; b = 7 ft ; c = 11 ft	25	49	74	121	<	Obtuse Triangle