MULTIPLE CHOICE

In a right triangle with legs 3 cm and 4 cm, what is the length of the hypotenuse?

5 cm

6 cm

7 cm

8 cm

MULTIPLE CHOICE

If the hypotenuse of a right triangle is 13 cm and one leg is 5 cm, what is the length of the other leg?

12 cm

10 cm

8 cm

14 cm

MULTIPLE CHOICE

Which set of numbers forms a Pythagorean triple?

5, 12, 13

4, 6, 8

7, 10, 12

3, 5, 7

MULTIPLE CHOICE

A ladder 10 m long leans against a wall. If the base is 6 m from the wall, how high up the wall does it reach?

8 m	9 m
10 m	7 m

MULTIPLE CHOICE

In a right triangle, if the legs are x and 15, and hypotenuse is 17, what is x?

8	10
12	9

MULTIPLE CHOICE

What is the hypotenuse of a right triangle with legs 6 m and 8 m?

10 m

12 m

14 m

9 m

MULTIPLE CHOICE

A triangle has sides 7 cm, 24 cm, and 25 cm. Is it a right triangle?

Yes

No

Only if scaled

Cannot determine

MULTIPLE CHOICE

The diagonal of a 3 m by 4 m rectangle is:

5 m

6 m

7 m

8 m

MULTIPLE CHOICE

If one leg of a right triangle is 9 cm and the hypotenuse is 15 cm, what is the other leg?

12 cm	10 cm
14 cm	13 cm

MULTIPLE CHOICE

Which triangle does NOT satisfy Pythagoras Theorem?

5, 10, 12

6, 8, 10

9, 12, 15

7, 24, 25

MULTIPLE CHOICE

A right triangle has hypotenuse 20 cm and one leg 12 cm. What is the area?

96 sq cm	100 sq cm
120 sq cm	80 sq cm

MULTIPLE CHOICE

If a right triangle has legs 5x and 12x, what is the hypotenuse?

13x

15x

17x

19x

MULTIPLE CHOICE

The sides 2.5, 6, 6.5 form a right triangle because:

$2.5^2 + 6^2 = 6.5^2$

$2.5 + 6 = 8.5 > 6.5$

All are positive

Angles sum to 180

MULTIPLE CHOICE

A car travels 9 km north, then 12 km east. How far is it from the start?

15 km

18 km

21 km

25 km

MULTIPLE CHOICE

In a right triangle, if legs are equal and hypotenuse is 10 cm, what is each leg?

5sqrt(2) cm

10 cm

5 cm

10sqrt(2) cm

MULTIPLE CHOICE

A flagpole casts a 5 m shadow. If pole and shadow form right angle with ground, and distance from tip of shadow to top of pole is 13 m, how tall is the pole?

12 m	10 m
8 m	15 m

MULTIPLE CHOICE

If a right triangle has hypotenuse 25 cm and one leg is 7 cm more than the other, what are the legs?

7 cm and 24 cm

10 cm and 15 cm

5 cm and 20 cm

8 cm and 17 cm

MULTIPLE CHOICE

What is the length of the diagonal of a square with side 10 cm?

10sqrt(2) cm	20 cm
10 cm	15 cm

MULTIPLE CHOICE

A triangle has sides 10 cm, 24 cm, 26 cm. What is the area?

120 sq cm	130 sq cm
240 sq cm	312 sq cm

MULTIPLE CHOICE

The distance between points (1,2) and (4,6) is:

5 units

4 units

7 units

6 units

MULTIPLE CHOICE

If a right triangle's legs are 8 cm and 15 cm, what is the perimeter?

40 cm

46 cm

42 cm

50 cm