



Name _____ Class _____ Date _____

1 If a triangle with sides of **3** and **4** and a hypotenuse of **5** is a right triangle, a triangle with sides of **12** and **16** and a hypotenuse of **20** is also a **right triangle**.

Why is this correct?

- A 12 - 16 - 20 are multiples of 3 - 4 - 5.
- B 12 and 16 = 28
- C $20^2 = 400$
- D A 12 - 16 - 20 triangle is not a right triangle.

3 Taquisha says the slope of the line shown is $\frac{4}{2}$ or **2**. Why is she **not** correct?

- A The line goes through the origin.
- B The line goes through the point (4, 2).



4 Anne and Cassandra run in a 26-mile marathon. Anne finishes in **10 hours 38 minutes**. Cassandra finishes in **9 hours 57 minutes**. Anne ran faster.

True or false?



PREVIEW

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7 Will get paired over...

True or false?

- A true
- B false

with this account?

- A \$2
- B \$4
- C \$4.80
- D \$48

9 At the Shop-a-Lot store, there is a sale and everything is **25%** off the original price. If a sweater originally costs **\$19.99**, what is the sale price?

- A \$4.00
- B \$5.00
- C \$14.99
- D \$15.99

10 Jesse has some coins in his pocket that add up to **\$1.65**. He has three times as many **dimes** than **quarters**. How many dimes and quarters does he have?

- A 3 dimes, 9 quarters
- B 9 dimes, 3 quarters
- C 2 dimes, 6 quarters
- D 6 dimes, 2 quarters



ANSWER KEY

If a triangle with sides of **3** and **4** and a hypotenuse of **5** is a right triangle, a triangle with sides of **12** and **16** and a hypotenuse of **20** is also a **right triangle**.

Why is this correct?

- A** 12 - 16 - 20 are multiples of 3 - 4 - 5.
- B** 12 and 16 = 28
- C** $20^2 = 400$
- D** A 12 - 16 - 20 triangle is not a right triangle.

(a)

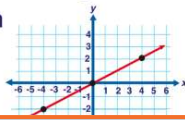
Why is a rhombus **not** a **square**?

- A** A square has 2 pairs of parallel sides.
- B** A square has 4 right angles.
- C** A rhombus has 2 pairs of parallel sides.
- D** A square has 4 equal sides.

(b)

Taquisha says the slope of the line shown is $\frac{4}{2}$ or **2**. Why is she **not** correct?

- A** The line goes through the origin.
- B** The line goes through the point (4, 2).
- C** The y-intercept is 0.
- D** rise



(d)

Anne and Cassandra run in a 26-mile marathon. Anne finishes in **10 hours 38 minutes**. Cassandra finishes in **9 hours 57 minutes**. Anne ran faster.

True or false?

- A** true

(b)



PREVIEW

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True or false?

- A** true
- B** false

- A** \$2
- B** \$4
- C** \$4.80
- D** \$48

At the Shop-a-Lot store, there is a sale and everything is **25%** off the original price. If a sweater originally costs **\$19.99**, what is the sale price?

- A** \$4.00
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- C** \$14.99
- D** \$15.99

(c)

Jesse has some coins in his pocket that add up to **\$1.65**. He has three times as many **dimes** than **quarters**. How many **dimes and quarters** does he have?

- A** 3 dimes, 9 quarters
- B** 9 dimes, 3 quarters
- C** 2 dimes, 6 quarters
- D** 6 dimes, 2 quarters

(b)