

SOL Warm-Up Graphing Calculator Active

A.8 (a) Analyzing Direct Variation

1. Which of the following is a direct variation?

A

x	y
4	-8
8	-16
-6	12
3	-6

B

x	y
8	-9
4	-18
-3	24
-8	9

C

x	y
10	20
1	2
12	6
20	10

D

x	y
-3	6
4	8
-5	10
6	12

2. What is the constant of variation for the following direct variation?

A 2

B -2

C $-\frac{1}{2}$

D $\frac{1}{2}$

x	y
4	-8
8	-16
-6	12
3	-6

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A.8 (b) Analyzing direct variation

1. Which is the equation that describes the following table of values?

x	4	8	-6	3
y	-8	-16	12	-6

- A** $y = 32x$
- B** $y = -2x$
- C** $y = 2x$
- D** $xy = -32$

2. Which is the equation that describes the following table of values?

x	10	2	12	20
y	5	1	6	10

- A** $y = -2x$
- B** $y = 2x$
- C** $y = \frac{1}{2}x$
- D** $xy = 200$