

Sept. 8, 2017

Warmup

$$a) -2 - (-5) + (-3)$$

$$= -2 + 5 - 3$$

$$= 3 - 3$$

$$= \boxed{0}$$

$$b) (-2) \times (-3) \times (-5)$$

$$= +6 \times (-5)$$

$$= \boxed{-30}$$

+	x	+	+
+	x	-	-
-	x	+	-
-	x	-	+

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BEDMAS

Brackets

Exponents

[Division
[Multiplication

[Addition
[Subtraction

Ex. 1:

$$2 + 3 \times 5$$

$$= 2 + 15$$

$$= \boxed{17}$$

Ex. 2

$$\underbrace{3 \times 4} - \underbrace{2 \times 5}$$

$$= 12 - 10$$

$$= \boxed{2}$$

Ex. 3

$$\underbrace{(3-4)} \times \underbrace{(6-4)^2}$$

$$= (-1) \times (2)^2$$

$$(2)^2 = 2 \cdot 2$$

$$(5)^2 = 5 \cdot 5$$

$$\curvearrowright (-1) \times 4$$

$$= \boxed{-4}$$

Ex. 4

$$\textcircled{*} (-7)^2$$

$$= (-7)(-7)$$

$$= \boxed{49}$$

$$5) \quad 3(10-15)$$

↑ multiply

$$= 3 \times (-5)$$

$$= \boxed{-15}$$

$$6) \quad 2(2+6)^2$$

$$= 2(8)^2$$

$$= 2(64) = \boxed{128}$$

$$7) -15 + \underbrace{7 \times 6} - \underbrace{30/2}$$

$$= -15 + 42 - 15$$

$$= 42 - 15 - 15$$

$$= \boxed{12}$$

p. 399 # 1 (bottom)

$$\begin{aligned} & 2^2 - 4(5+1) \\ &= 2^2 - 4(6) \\ &= 4 - 4(6) \\ &= 4 - 24 \\ &= \boxed{-20} \end{aligned}$$

$$(9 - 4^2)$$

$$= (9 - 16)$$

$$= \boxed{-7}$$