

Chapter 6 Integers

6.7 The Distributive Property

Pages 307-312

NOTES (6.7) The Distributive Property

*** Key Concepts p. 307***

Do # 20-24 Even like this

21)

1.

$$\begin{aligned}8(3) + 14 + 8(-4) \\ 24 + 14 + (-32) \\ 38 + (-32) = 6\end{aligned}$$

2.

$$\begin{aligned}8(3) + 14 + 8(-4) \\ 8(3) + 18(-4) + 14 \\ 8(-1) + 14 \\ -8 + 14 = 6\end{aligned}$$

Do # 26-34 Even like this

27) inverse property of addition

29) associative property of multiplication

31) distributive property

Do # 36 & 38 like this

$$\begin{aligned} 27) \quad & mp + (-m)(n+p) \\ & mp + (-mn) + (-mp) \\ & mp + (-mp) + (-mn) \\ & -mn \end{aligned}$$

#50 = 2 pts

$$\begin{aligned} 52) \quad & 2(16)(12) - 2(3)(3) \\ & 2[16(12) - 3(3)] \\ & 2(192 - 9) \\ & 2(183) \\ & 366 \end{aligned}$$

366 sq ft of bricks are needed to cover the walls