

9.9 Practice - Simultaneous Product

Solve.

$$1) \quad xy = 72 \\ (x+2)(y-4) = 128$$

$$2) \quad xy = 180 \\ (x-1)(y-\frac{1}{2}) = 205$$

$$3) \quad xy = 150 \\ (x-6)(y+1) = 64$$

$$4) \quad xy = 120 \\ (x+2)(y-3) = 120$$

$$5) \quad xy = 45 \\ (x+2)(y+1) = 70$$

$$6) \quad xy = 65 \\ (x-8)(y+2) = 35$$

$$7) \quad xy = 90 \\ (x-5)(y+1) = 120$$

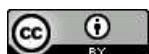
$$8) \quad xy = 48 \\ (x-6)(y+3) = 60$$

$$9) \quad xy = 12 \\ (x+1)(y-4) = 16$$

$$10) \quad xy = 60 \\ (x+5)(y+3) = 150$$

$$11) \quad xy = 45 \\ (x-5)(y+3) = 160$$

$$12) \quad xy = 80 \\ (x-5)(y+5) = 45$$



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Answers - Simultaneous Product

- | | |
|-------------------------------------|------------------------------------|
| 1) $(2, 36), (-18, -4)$ | 7) $(45, 2), (-10, -9)$ |
| 2) $(-9, -20), (-40, -\frac{9}{2})$ | 8) $(16, 3), (-6, -8)$ |
| 3) $(10, 15), (-90, -\frac{5}{3})$ | 9) $(1, 12), (-3, -4)$ |
| 4) $(8, 15), (-10, -12)$ | 10) $(20, 3), (5, 12)$ |
| 5) $(5, 9), (18, 2.5)$ | 11) $(45, 1), (-\frac{5}{3}, -27)$ |
| 6) $(13, 5), (-20, -\frac{13}{4})$ | 12) $(8, 10), (-10, -8)$ |



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