

## 9.9 Practice - Simultaneous Product

Solve.

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

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

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

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

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

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

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

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

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

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

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

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



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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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