

Difficulty level: Beginner

1. $5(7, -7) = ?$:

- ☐ (12, -2)
- ☐ (-2, 12)
- ☒ (35, -35)
- ☐ (7, -35)

2. $-5(1, -5) = ?$:

- ☒ (-5, 25)
- ☐ (-5, 0)
- ☐ (-6, 0)
- ☐ (-4, -10)

3. $5(-1, -5) = ?$:

- ☐ (-5, -1)
- ☐ (6, 10)
- ☐ (4, 0)
- ☒ (-5, -25)

4. $-7(-7, -7) = ?$:

- ☒ (49, 49)
- ☐ (-14, -14)
- ☐ (-7, 49)
- ☐ (0, 0)

5. What is -6 times the vector $(-4, 5)$?

- ☐ (-4, -30)
- ☐ (-2, -11)
- ☒ (24, -30)
- ☐ (-10, -1)

6. What is 7 times the vector $(5, 3)$?

- ☐ (2, 4)
- ☐ (35, -4)
- ☐ (12, 10)
- ☒ (35, 21)

7. $2(-2, 1) = ?$:

- ☒ (-4, 2)
- ☐ (-4, -1)
- ☐ (0, 3)
- ☐ (4, 1)

8. $-2(-4, 2) = ?$:

- ☐ (2, -4)
- ☐ (8, 4)
- ☒ (8, -4)
- ☐ (-6, 0)

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9. What is 3 times the vector $(4, 4)$?

- ☐ $(-1, -1)$
- ☐ $(12, 1)$
- ☐ $(7, 7)$
- ☒ $(12, 12)$

10. $2(4, -5) = ?$:

- ☐ $(-2, 7)$
- ☒ $(8, -10)$
- ☐ $(4, -10)$
- ☐ $(6, -3)$

11. What is 4 times the vector $(-5, 6)$?

- ☐ $(9, -2)$
- ☐ $(-20, 2)$
- ☐ $(-1, 10)$
- ☒ $(-20, 24)$

12. What is -5 times the vector $(2, -7)$?

- ☐ $(-10, -2)$
- ☐ $(-7, 2)$
- ☒ $(-10, 35)$
- ☐ $(-3, -12)$

13. $-4(-5, -2) = ?$:

- ☒ $(20, 8)$
- ☐ $(-9, -6)$
- ☐ $(20, 2)$
- ☐ $(1, -2)$

14. What is 7 times the vector $(5, 7)$?

- ☐ $(2, 0)$
- ☒ $(35, 49)$
- ☐ $(35, 1)$
- ☐ $(12, 14)$

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15. What is 6 times the vector $(-7, 4)$?☒ $(-42, 24)$ ☐ $(13, 2)$ ☐ $(-1, 10)$ ☐ $(-42, \frac{2}{3})$ 16. What is 3 times the vector $(-5, 4)$?☒ $(-15, 12)$ ☐ $(-15, 1)$ ☐ $(-2, 7)$ ☐ $(8, -1)$ 17. What is 2 times the vector $(-5, -6)$?☐ $(-10, -8)$ ☐ $(-3, -4)$ ☐ $(7, 8)$ ☒ $(-10, -12)$ 18. $2(3, -3) = ?$:☒ $(6, -6)$ ☐ $(5, -1)$ ☐ $(-1, 5)$ ☐ $(3, -6)$ 19. $4(-4, 7) = ?$:☒ $(-16, 28)$ ☐ $(-16, 3)$ ☐ $(0, 11)$ ☐ $(8, -3)$ 20. What is 2 times the vector $(-3, 7)$?☐ $(-1, 9)$ ☐ $(5, -5)$ ☒ $(-6, 14)$ ☐ $(-6, 5)$