Geometric Figures, Transformations and Trigonometry — Practice Test

Saskatchewan Workplace and Apprenticeship Mathematics 30 • 25 questions

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The point (5, 1) reflected across the x-axis is**

- A (5, -1)
- B (-5, 1)
- C (-5, -1)
- D (1, 5)

Understand It with Pulse | Flag a mistake

2 **The point (-3, 4) reflected across the y-axis is**

A (3, 4)

B (-3, -4)

C (3, -4)

D (4, -3)

Understand It with Pulse | Flag a mistake

3 **The point (-3, -2) rotated 90 degrees clockwise about the origin becomes**

A (2, -3)

B (-2, 3)

C (3, 2)

D (-3, -2)

Understand It with Pulse | Flag a mistake

4 The point (-2, 5) translated 3 units right and 2 units up is

- A (-5, 7)
- B (1, 3)
- C (1, 7)
- D (-2, 5)

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5 A right triangle has legs 3 and 4. The hypotenuse is

ANSWER _____

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6 **A triangle has sides 4 and 7 with an included angle of 60 degrees. The third side is approximately**

- A 6.1
- B 7.1
- C 5.1
- D 11

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7 **The point (-3, -5) reflected across the x-axis is**

- A (3, -5)
- B (3, 5)
- C (-5, -3)
- D (-3, 5)

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8 **The point (3, 4) reflected across the y-axis is**

A (3, -4)

B (-3, -4)

C (-3, 4)

D (4, 3)

Understand It with Pulse | Flag a mistake

9 **The point (-5, -5) rotated 90 degrees clockwise about the origin becomes**

A (5, -5)

B (-5, 5)

C (5, 5)

D (-5, -5)

Understand It with Pulse | Flag a mistake

10 **The point (5, -1) translated 3 units right and 2 units up is**

- **A** (2, 1)
- **B** (8, -3)
- **C** (5, -1)
- **D** (8, 1)

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11 **A right triangle has legs 8 and 15. The hypotenuse is**

ANSWER _____

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12 **A triangle has sides 5 and 6 with an included angle of 60 degrees. The third side is approximately**

- A 6.6
- B 4.6
- C 5.6
- D 11

Understand It with Pulse | Flag a mistake

13 **The point (3, 3) reflected across the x-axis is**

- A (3, -3)
- B (-3, 3)
- C (-3, -3)
- D (3, 3)

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14 **The point (-5, -4) reflected across the y-axis is**

A (-5, 4)

B (5, 4)

C (5, -4)

D (-4, -5)

Understand It with Pulse | Flag a mistake

15 **The point (-2, -5) rotated 90 degrees clockwise about the origin becomes**

A (5, -2)

B (2, 5)

C (-2, -5)

D (-5, 2)

Understand It with Pulse | Flag a mistake

16 **The point (-3, 3) translated 3 units right and 2 units up is**

A (0, 5)

B (-6, 5)

C (0, 1)

D (-3, 3)

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17 **A right triangle has legs 5 and 12. The hypotenuse is**

ANSWER _____

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18 **The point (2, 2) reflected across the x-axis is**

- A (-2, 2)
- B (-2, -2)
- C (2, 2)
- D (2, -2)

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19 **The point (2, -5) reflected across the y-axis is**

- A (-2, -5)
- B (2, 5)
- C (-2, 5)
- D (-5, 2)

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20 **The point (-5, 4) rotated 90 degrees clockwise about the origin becomes**

- A (-4, -5)
- B (4, 5)
- C (5, -4)
- D (-5, 4)

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21 **The point (1, -1) translated 3 units right and 2 units up is**

- A (4, 1)
- B (-2, 1)
- C (4, -3)
- D (1, -1)

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22 **The point (-5, -2) reflected across the x-axis is**

- A (5, -2)
- B (-5, 2)
- C (5, 2)
- D (-2, -5)

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23 **The point (-2, 4) reflected across the y-axis is**

- A (-2, -4)
- B (2, 4)
- C (2, -4)
- D (4, -2)

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24 **The point (-3, -4) rotated 90 degrees clockwise about the origin becomes**

- A (4, -3)
- B (3, 4)
- C (-4, 3)
- D (-3, -4)

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25 **The point (-4, -4) translated 3 units right and 2 units up is**

- A (-7, -2)
- B (-1, -2)
- C (-1, -6)
- D (-4, -4)

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ANSWER KEY

1. A
2. A
3. B
4. C
5. 5
6. A
7. D
8. C
9. B
10. D
11. 17
12. C
13. A
14. C
15. D
16. A
17. 13
18. D
19. A
20. B
21. A
22. B
23. B
24. C
25. B

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