

Mathematics 9
FACTOING PERFECT SQUARE TRINOMIAL

Name : _____

Quarter: _____

Section: _____

Date: _____

A. Complete the following expression to make a perfect square trinomial.

1) $a^2 + 8a + \underline{\hspace{2cm}}$

6) $a^2 + 24a + \underline{\hspace{2cm}}$

2) $a^2 - 10a + \underline{\hspace{2cm}}$

7) $a^2 + 12a + \underline{\hspace{2cm}}$

3) $a^2 + 4a + \underline{\hspace{2cm}}$

8) $a^2 - 12a + \underline{\hspace{2cm}}$

4) $a^2 - 24a + \underline{\hspace{2cm}}$

9) $a^2 - 6a + \underline{\hspace{2cm}}$

5) $a^2 - 4a + \underline{\hspace{2cm}}$

10) $a^2 + 10a + \underline{\hspace{2cm}}$

B. Match Column A with its factor in column B by joining its line.

Column A

Column B

1. $a^2 + 8a + 16$ ●

● $(2a + 1)^2$

2. $a^2 - 10a + 25$ ●

● $(a + 4)^2$

3. $4a^2 - 4a + 1$ ●

● $(2a - 1)^2$

4. $4a^2 - 12a + 9$ ●

● $(a - 5)^2$

5. $4a^2 + 4a + 1$ ●

● $(2a - 3)^2$

6. $9a^2 + 24a + 16$ ●

● $(3a + 4)^2$

7. $a^2 + 12a + 36$ ●

● $(a - 6)^2$

8. $a^2 - 12a + 36$ ●

● $(a + 6)^2$

9. $a^2 - 8a + 16$ ●

● $(a + 5)^2$

10. $a^2 + 10a + 25$ ●

● $(a - 4)^2$

● $(a - 4)^2$

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