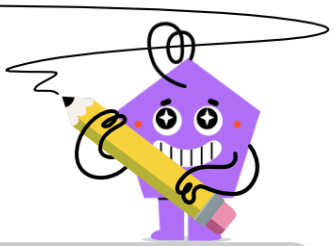
Name

Polynomials - Find the Root of Square Polynomial



1 This polynomial is a perfect square. What factor squared would give this polynomial?

$$p^2 - 12p + 36$$

A	B	C	D	E	F
$(p-4)^2$	$(p-7)^2$	$(p-3)^2$	$(p-6)^2$	$(p-9)^2$	$(p-8)^2$

2 This polynomial is a perfect square. What factor squared would give this polynomial?

$$p^2 + 4p + 4$$

A	B	C	D	E	F
$(p+5)^2$	$(p+0)^2$	$(p+4)^2$	$(p-1)^2$	$(p+1)^2$	$(p+2)^2$

3 This polynomial is a perfect square. What factor squared would give this polynomial?

$$m^2 + 0m + 0$$

A	$(m-1)^2$	B	$(m-2)^2$
C	$(m-3)^2$	D	$(m+0)^2$
E	$(m+3)^2$	F	$(m+1)^2$

4 This polynomial is a perfect square. What factor squared would give this polynomial?

$$n^2 - 12n + 36$$

A	B	C	D	E	F
$(n-9)^2$	$(n-4)^2$	$(n-5)^2$	$(n-7)^2$	$(n-6)^2$	$(n-3)^2$

5 This polynomial is a perfect square. What factor squared would give this polynomial?

$$x^2 + 2x + 1$$

A	$(x+4)^2$	B	$(x+0)^2$
C	$(x+1)^2$	D	$(x-2)^2$
E	$(x+3)^2$	F	$(x-1)^2$

6 This polynomial is a perfect square. What factor squared would give this polynomial?

$$p^2 - 8p + 16$$

A	B	C	D	E	F
$(p-4)^2$	$(p-7)^2$	$(p-3)^2$	$(p-6)^2$	$(p-5)^2$	$(p-2)^2$

7 This polynomial is a perfect square. What factor squared would give this polynomial?

$$z^2 - 16z + 64$$

A	$(z-9)^2$	B	$(z-11)^2$
C	$(z-6)^2$	D	$(z-5)^2$
E	$(z-8)^2$	F	$(z-7)^2$

8 This polynomial is a perfect square. What factor squared would give this polynomial?

$$c^2 - 10c + 25$$

A	B	C	D	E	F
$(c-3)^2$	$(c-4)^2$	$(c-8)^2$	$(c-7)^2$	$(c-2)^2$	$(c-5)^2$