Mobius Math Academy

Name:



Math worksheet on 'Polynomials - Find the Root of Square Polynomial (Level 1)'. Part of a broader unit on 'Polynomials and Quadratics - Advanced'

Learn online:

app.mobius.academy/math/units/polynomials and quadratics advanced/

	This polynomial i actor squared wo				This polynon actor square
	$p^2 + 2$	18 p	+ 81		x^2
a	$(p + 8)^2$	b	$(p + 12)^2$	а	$(x + 1)^2$
C	$(p + 7)^2$	d	$(p + 10)^2$	С	$(x-1)^2$
е	$(p + 9)^2$	f	$(p + 6)^2$	е	$(x + 2)^2$
	This polynomial i		•	5	This polynon
f	actor squared wo	ould give th	nis polynomial?	fa	actor square
	•				
	<u>2</u>	0 m			J ²
	$n^2 +$	- 0 <i>n</i>	+ 0		d^2
а	$n^2 + (n+0)^2$	• 0 <i>n</i>	+ 0 (n + 3) ²	a	<i>d</i> ²
		H			d^{2}
a	$(n + 0)^2$	b	$(n + 3)^2$		
a C e	$(n+0)^2$ $(n+2)^2$ $(n-1)^2$ This polynomial i	b d f	$(n+3)^2$ $(n-2)^2$ $(n+1)^2$ It square. What	(d + 2	$(d+3)^2$
a C e	$(n+0)^2 \ (n+2)^2 \ (n-1)^2$	b d f	$(n+3)^2$ $(n-2)^2$ $(n+1)^2$ It square. What	(d + 2	$(d+3)^2$
a C e	$(n+0)^2$ $(n+2)^2$ $(n-1)^2$ This polynomial i	b d f	$(n+3)^2$ $(n-2)^2$ $(n+1)^2$ It square. What	(d + 2	$(d+3)^2$
a C e	$(n+0)^2$ $(n+2)^2$ $(n-1)^2$ This polynomial i	b d f	$(n+3)^2$ $(n-2)^2$ $(n+1)^2$ It square. What	(d + 2	$(d+3)^2$
a C e	$\frac{(n+0)^2}{(n+2)^2}$ $(n-1)^2$ This polynomial if factor squared works and the second secon	b d f is a perfect ould give th • 2 m	$(n+3)^{2}$ $(n-2)^{2}$ $(n+1)^{2}$ It square. What his polynomial?	(d + 2	$(d+3)^2$ This polynomiactor square
a c e	$(n+0)^2$ $(n+2)^2$ $(n-1)^2$ This polynomial i factor squared wo	b d f is a perfect ould give th 2 <i>n</i>	$(n+3)^2$ $(n-2)^2$ $(n+1)^2$ It square. What his polynomial? + 1	(d + 2	2) $^{2}(d+3)^{2}$ This polynon actor square $x^{2}+$

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

$$y^2 + 0y + 0$$

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

$$x^2 + 4x + 4$$

а	$(x + 1)^2$	b	$(x + 3)^2$
C	$(x - 1)^2$	d	$(x + 0)^2$
е	$(x + 2)^2$	f	$(x + 5)^2$

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

$$d^2 + 6d + 9$$

a b c d e f
$$(d+2)^2 (d+3)^2 (d+0)^2 (d+5)^2 (d+1)^2 (d+4)^2$$

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

$$x^2 + 14x + 49$$

а	$(x + 10)^2$	b	$(x + 9)^2$	
С	$(x + 5)^2$	d	$(x + 4)^2$	
е	$(x + 6)^2$	f	$(x + 7)^2$	