



## Polynomial Algebra Difference of Squares - Variables Divided by Term -

**Solve**

**1**

Find the value of n without using a calculator

$$\frac{n^2 - 1}{n - 1} = 11$$

A	n = 11	B	n = 8
C	n = 7	D	n = 17
E	n = 6	F	n = 10

**2**

Find the value of z without using a calculator

$$\frac{z^2 - 81}{z + 9} = 2$$

A	z = 14	B	z = 15
C	z = 17	D	z = 11
E	z = 4	F	z = 5

**3**

Find the value of m without using a calculator

$$\frac{m^2 - 16}{m + 4} = 2$$

A	m = 13	B	m = 10
C	m = 2	D	m = 6
E	m = 7	F	m = 5

**4**

Find the value of x without using a calculator

$$\frac{x^2 - 25}{x - 5} = 15$$

A	x = 15	B	x = 18
C	x = 10	D	x = 7
E	x = 1	F	x = 9

**5**

Find the value of z without using a calculator

$$\frac{z^2 - 49}{z - 7} = 16$$

A	z = 18	B	z = 15
C	z = 10	D	z = 4
E	z = 6	F	z = 9

**6**

Find the value of p without using a calculator

$$\frac{p^2 - 36}{p + 6} = 3$$

A	p = 12	B	p = 9
C	p = 8	D	p = 16
E	p = 7	F	p = 2

**7**

Find the value of x without using a calculator

$$\frac{x^2 - 81}{x - 9} = 22$$

A	x = 5	B	x = 14
C	x = 13	D	x = 11
E	x = 12	F	x = 8

**8**

Find the value of n without using a calculator

$$\frac{n^2 - 25}{n + 5} = 8$$

A	n = 15	B	n = 3
C	n = 13	D	n = 16
E	n = 17	F	n = 9