



Polynomial Algebra - Difference of Exponents (Variables) Divided by Second Exponent - Solve

1 Find the value of q without using a calculator

$$\frac{q^3 - q^2}{q^2} = 6$$

A q = 12

q = 7

C

q = 1

D

q = 2

E

q = 3

F

q = 15

3 Find the value of q without using a calculator

$$\frac{q^4 - q^3}{q^3} = 10$$

A

q = 8

B

q = 11

C

q = 18

D

q = 19

E

q = 14

F

q = 15

2 Find the value of r without using a calculator

$$\frac{r^5 + r^4}{r^4} = 18$$

A

r = 7

B

r = 12

C

r = 10

D

r = 17

E

r = 24

F

r = 13

4 Find the value of r without using a calculator

$$\frac{r^5 - r^4}{r^4} = 13$$

A

r = 22

B

r = 12

C

r = 19

D

r = 23

E

r = 20

F

r = 14

5 Find the value of w without using a calculator

$$\frac{w^4 + w^3}{w^3} = 20$$

A

w = 19

B

w = 10

C

w = 22

D

w = 25

E

w = 24

F

w = 20

6 Find the value of n without using a calculator

$$\frac{n^2 - n^1}{n^1} = 14$$

A

n = 10

B

n = 15

C

n = 14

D

n = 7

E

n = 8

F

n = 20

7 Find the value of t without using a calculator

$$\frac{t^4 - t^3}{t^3} = 5$$

A

t = 2

B

t = 3

C

t = 5

D

t = 6

E

t = 12

F

t = 14

8 Find the value of w without using a calculator

$$\frac{w^2 + w^1}{w^1} = 11$$

A

w = 3

B

w = 1

C

w = 8

D

w = 17

E

w = 9

F

w = 10