

**Interpret rational expressions in context****1**What does this equation become when $b=3$, $y=2$

$$\frac{6b}{3y}$$

A

$$\frac{6 \cdot 3}{3 \cdot 2}$$

B

$$3^6 + 2^3$$

2What is the value of this equation when $d=8$, $m=7$, $z=5$

$$\frac{5d^2}{5m^2 + 3z^2}$$

A

$$-565$$

B

$$d^5 + 1$$

C

$$1d$$

D

$$4$$

E

$$355$$

F

$$1$$

3What is the value of this equation when $y=5$, $r=2$, $p=-6$

$$\frac{4y^2}{7r^2 + 2p^2}$$

A

$$3y$$

B

$$1$$

C

$$114$$

D

$$4$$

E

$$y^4 + 1$$

F

$$-4$$

4What is the value of this equation when $z=8$, $d=7$, $n=5$

$$\frac{5z^2}{5d^2 + 3n^2}$$

A

$$4$$

B

$$1$$

C

$$355$$

D

$$z^5 + 1$$

E

$$1z$$

F

$$-565$$

5What is the value of this equation when $m=8$, $b=-2$, $d=4$

$$\frac{7m^2}{4b^2 - 5d^2}$$

A

$$-2m$$

B

$$-3$$

C

$$-7m$$

D

$$-464$$

E

$$-7$$

F

$$m^7 + -7$$

6What is the value of this equation when $r=5$, $p=2$, $b=6$

$$\frac{4r^2}{7p^2 + 2b^2}$$

A

$$-128$$

B

$$r^4 + 1$$

C

$$3$$

D

$$1$$

E

$$-4$$

F

$$128$$

7What is the value of this equation when $z=-8$, $r=6$, $c=8$

$$\frac{6z^2}{7r^2 - 4c^2}$$

A

$$-96$$

B

$$z^6 + -96$$

C

$$-4$$

D

$$6z - -96$$

E

$$3$$

F

$$426$$

8What is the value of this equation when $p=8$, $y=7$, $n=3$

$$\frac{3p^2}{3y^2 + 5n^2}$$

A

$$1p$$

B

$$-3p$$

C

$$213$$

D

$$3p - 1$$

E

$$1$$

F

$$p^3 + 1$$

**Interpret rational expressions in context****9**

What is the value of this equation when $b=-3$, $r=3$, $c=-4$

$$\frac{6b^2}{5r^2 - 3c^2}$$

A	-2	B	$-18b$
C	-99	D	-18
E	69	F	$6b - -18$

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What is the value of this equation when $p=8$, $x=3$, $m=2$

$$\frac{2p^2}{4x^2 + 7m^2}$$

A	-164	B	140
C	2	D	$p^2 + 2$
E	3	F	$2p - 2$

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What is the value of this equation when $n=5$, $b=2$, $z=-8$

$$\frac{4n^2}{7b^2 - 2z^2}$$

A	-128	B	$4n - -1$
C	$-1n$	D	-1
E	-3	F	114

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What is the value of this equation when $r=8$, $b=2$, $n=6$

$$\frac{2r^2}{5b^2 + 3n^2}$$

A	$2r - 1$	B	$4r$
C	-5	D	148
E	1	F	$r^2 + 1$