

Name _____

Dividing Exponents

Tick the correct option from the following.

1) Which of the following equals $\frac{17^9}{17^5}$

- (i) 1^4 (ii) 17^4 (iii) 17^{14}

2) Which of the following equals $\frac{12^{17}}{12^{10}}$

- (i) 12^7 (ii) 24^7 (iii) 12^{17}

3) Which of the following equals $\frac{(-4)^{22}}{(-4)^{13}}$

- (i) 4^9 (ii) -4^7 (iii) -4^9

4) The value of x , if $\frac{23^{17}}{23^x} = 23^7$

- (i) 10 (ii) 7 (iii) -10

5) The value of x , if $\frac{15^{18}}{15^{-x}} = 15^{25}$

- (i) 7 (ii) -7 (iii) 8