

Unit 5A QUIZ 1

Solve each equation.

1) $64^{-n} = 8^{-2n}$

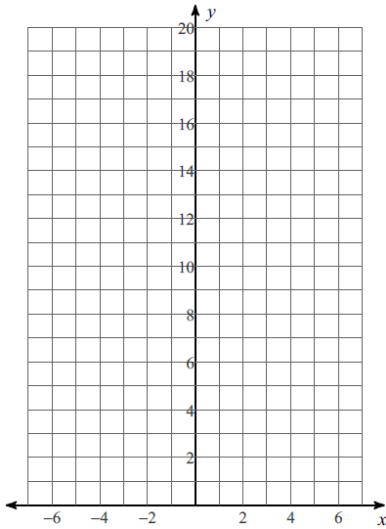
2) $2^{2r} = \frac{1}{16}$

3) $2^{-p} = \frac{1}{32}$

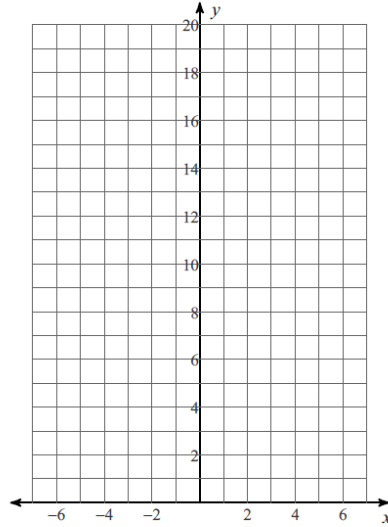
4) $36^{-2v} = 216$

Sketch the graph of each function. Give the domain, range, intercept, asymptote and determine if it is a growth or decay.

5) $y = 2 \cdot \left(\frac{1}{2}\right)^x$



6) $y = 3 \cdot 2^x$



Find the inverse of each function.

7) $g(x) = -x + 2$

8) $f(x) = -\frac{1}{4}x - \frac{1}{4}$

