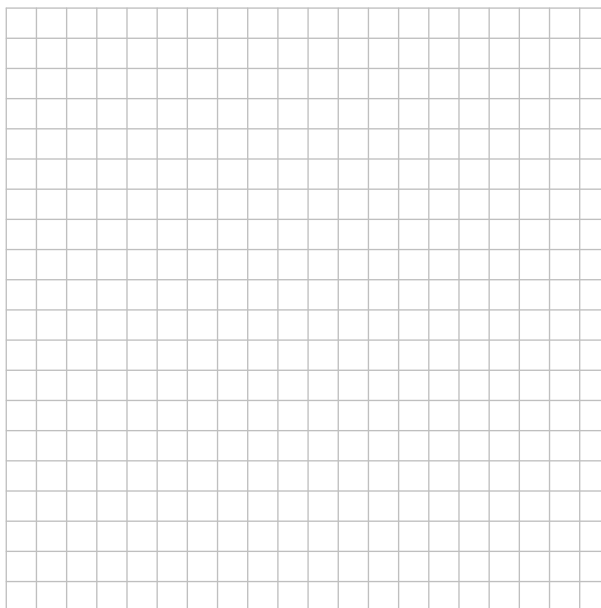# Quiz 6A: Square roots, exponents   Math 1070, Fall 2017

Name:

1. (7 points) Solve $\sqrt{56 - x} = x$. Remember to address the possibility of introducing a false solution.

2. (6 points) Use transformations to sketch the graph of $f(x) = 3^{x-2} - 1$

3. (7 points) In class we discussed the following formula for calculating interest.

$$A = P \left(1 + \frac{i}{n} \right)^{nt}$$

Say that you deposit \$15,000 in a savings account the pays 7.5% interest per year, compounded monthly. What is the balance in your account after 8 years?