

**Advanced Functions****Exponential****Exp X-Axis Intercepts**

1. *x* - intercepts  $2^x$

2. *x* - intercepts  $3^x$

3. *x* - intercepts  $2^{x+1}$

4. *x* - intercepts  $3^x - 1$

5. *x* - intercepts  $2^{x-3}$

6. *x* - intercepts  $2^x - 3$

7. *x* - intercepts  $5^x + 3$

8. *x* - intercepts  $f(x) = 4^{-2x+2}$

9. *x* - intercepts  $f(x) = 4^{-x+1} - 1$

10. *x* - intercepts  $-4^{x+1}$

**Answers**

**Advanced Functions**

**Exponential**

**Exp X-Axis Intercepts**

1. None

2. None

3. None

4.  $(0,0)$

5. None

6.  $\left(\frac{\ln(3)}{\ln(2)}, 0\right)$

7. None

8. None

9.  $(1,0)$

10. None