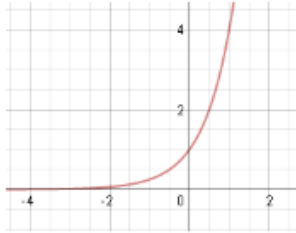


Identifying Exponential Growth and Decay

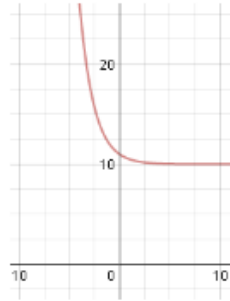
Homework

State whether the given function is exponential growth or decay. Then find its horizontal asymptote and y-intercept.

116.



117.



118. $y = 2(0.8)^x$

119. $y = 3(5)^{-x}$

120. $y = 4(0.3)^x + 2$

121. $y = 3(15)^x - 2$

122. $y = 60(0.2)^{-x} + 20$

123. $y = 15(3)^x$

124. $y = 10(0.35)^x + 4$

Graphing Exponential Functions

Homework

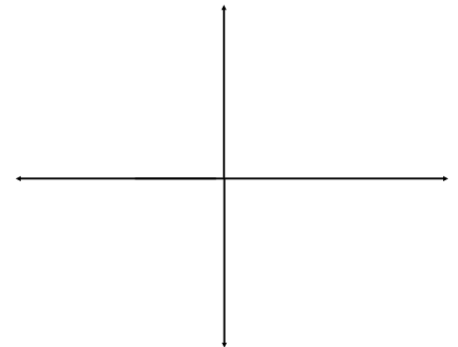
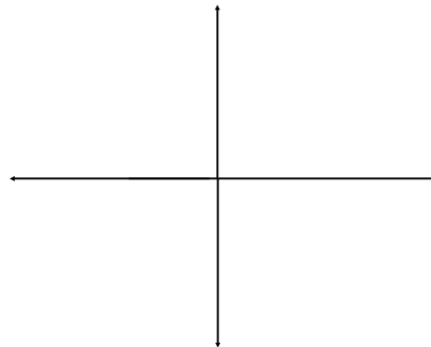
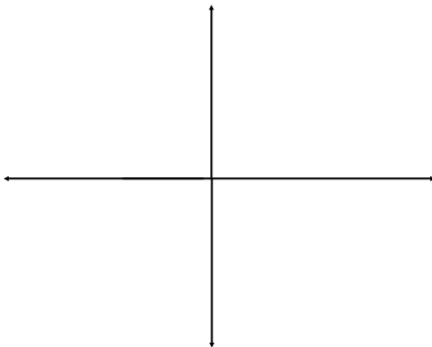
Graph each equation. Make sure the y-intercept and the horizontal asymptote are clear.

Please number the axes on your graphs.

136. $y = 4(0.3)^x$

137. $y = 4(4)^{-x}$

138. $y = 3(0.4)^x + 5$



139. $y = 3(5)^x - 8$

140. $y = 12(0.5)^{-x} + 30$

141. $y = 10(5)^x$

