

2.53  
21

$$\frac{T_5}{T_3} = \frac{14}{3} = \frac{\binom{m}{4}}{\binom{m}{2}} = \frac{\frac{m!}{4!(m-4)!}}{\frac{m!}{2!(m-2)!}} = \frac{2(m-2)(m-3)}{24}$$

$$56 = m^2 - 5m + 6$$

$$0 = m^2 - 5m - 50$$

$$m = 10$$

$$\cancel{m = -5}$$

4 > 0 k1

$T_6$  k1n 1y3nkn 221kn

$$T_6 = T_{5+1} = \binom{10}{5} (\sqrt{a})^5 \left(-\sqrt{\frac{a-2}{a}}\right)^5 = -252a^{2.5} a^{-2.5} = -252$$