

Vivian Choong
640:437.01
Homework 21

$$\begin{array}{ll} (2) & 4 = 2 + 2 & 18 = 11 + 7 \\ & 6 = 3 + 3 & 20 = 13 + 7 \\ & 8 = 3 + 5 & 22 = 17 + 5 \\ & 10 = 5 + 5 & 24 = 17 + 7 \\ & 12 = 5 + 7 & 26 = 13 + 13 \\ & 14 = 7 + 7 & 28 = 17 + 11 \\ & 16 = 5 + 11 & 30 = 13 + 17 \end{array}$$

$$(3) \quad (3, 5) \quad (5, 7) \quad (11, 13) \quad (17, 19)$$

$$\begin{array}{l} (4) \quad 2 \rightarrow 1 \\ 3 \rightarrow 5 \rightarrow 1 \\ 4 \rightarrow 1 \\ 5 \rightarrow 1 \\ 6 \rightarrow 1 \\ 7 \rightarrow 11 \rightarrow 17 \rightarrow 13 \rightarrow 5 \rightarrow 1 \\ 8 \rightarrow 1 \\ 9 \rightarrow 7 \rightarrow 11 \rightarrow 17 \rightarrow 13 \rightarrow 5 \rightarrow 1 \\ 10 \rightarrow 1 \\ 11 \rightarrow 17 \rightarrow 13 \rightarrow 5 \rightarrow 1 \\ 12 \rightarrow 1 \\ 13 \rightarrow 5 \rightarrow 1 \\ 14 \rightarrow 1 \\ 15 \rightarrow 23 \rightarrow 35 \rightarrow 53 \rightarrow 5 \rightarrow 1 \\ 16 \rightarrow 1 \\ 17 \rightarrow 13 \rightarrow 5 \rightarrow 1 \\ 18 \rightarrow 1 \\ 19 \rightarrow 29 \rightarrow 11 \rightarrow 17 \rightarrow 13 \rightarrow 5 \rightarrow 1 \\ 20 \rightarrow 1 \end{array}$$