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1. $(4k-1, 4k, 4k+1)$ (4). $4k+2$. $4k-2, 2, 3, 0, 1$. $4k+1, 4k+2$. $2k: 4k+1 \rightarrow 4k \rightarrow 2k$; $4k+2 \rightarrow 2k+1 \rightarrow 2k$.

2. $4/5, -1, -2, -3, -4, 10, 10, 21-$. $-3, -4, 10, 5$. $10 / .$

3. $BE:EA=BD:DA=BD:DC=BF:FC$. $EM:MF=AD:DC=1:1$. $\angle EDF = \angle EDB + \angle FDB = \frac{1}{2} \angle ADB + \frac{1}{2} \angle CDB = \frac{1}{2} (\angle ADB + \angle CDB) = 90^\circ$. $DM = \frac{1}{2} EF$.

4. $a^2 < 4b, c^2 < 4d.$, $(\frac{a+c}{2})^2 < 4(\frac{b+d}{2}).$

$$(\frac{a+c}{2})^2 = \frac{1}{4}(a^2 + 2ac + c^2) \leq \frac{1}{4}(a^2 + (c^2 + 2b) + c^2) = \frac{1}{2}(a^2 + c^2) \leq \frac{1}{2}(4b + 4d). (2 \leq a^2 + c^2 \Leftrightarrow 0 \leq (a-c)^2.)$$

: .

5. $16- , \dots; 14- , 28- , \dots; 14$, $13: 1- , 15- , 29- , \dots; 2- ,$
 8 48 6 47 , $666=14 \cdot 47+8,$,

48 $24,$ 47
 $14 \cdot 24=336$ 24 (47).