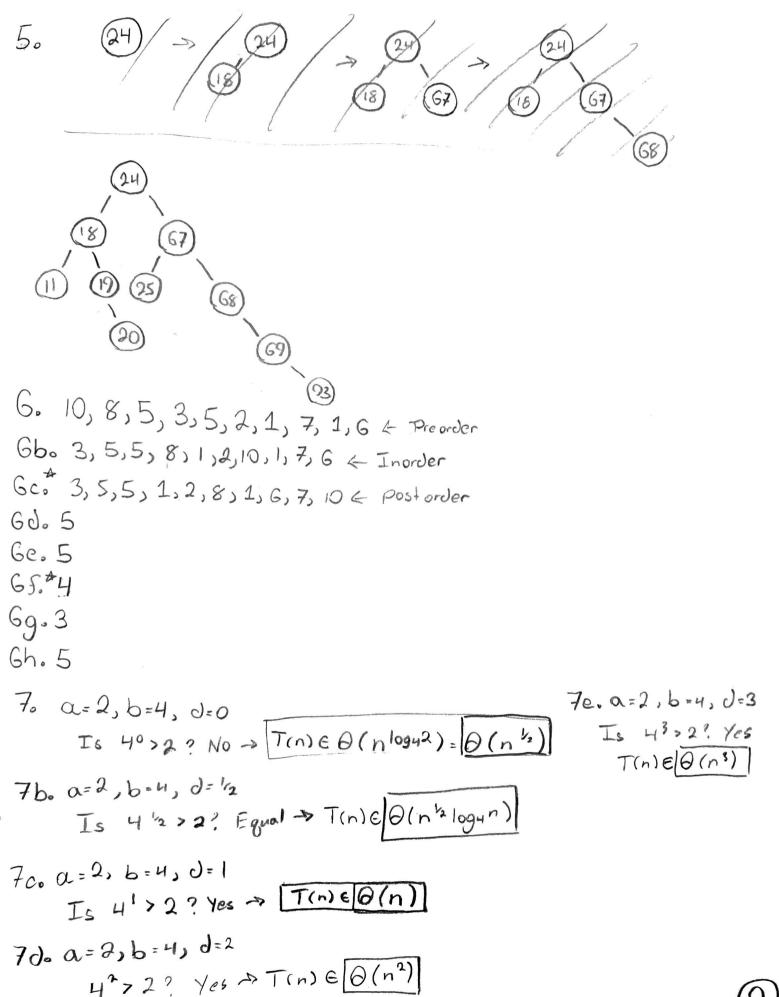
ame: Han	in Sprhei			,
Pleage: "l	please my hour	er l'have alis	ed by Sleven's	Havar
1. The only original	difference wo order (not re	uld be to coperersed).	y Li into La	in its
36 18 .9 4 2	right  × 93 -  × 186 ->  × 372 ->  × 744 ->  × 1488 ->  × 2976 ->	O (A 744 90 O 3b.	An input whose are reverse sor =x: 10,9,8,7  Iso if array is almost contained run worst case;  O(n).O(n) =	ready sorted, while to check
1 ×	5952	5952 4.6 66961	2 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	(0/3)=0 (3/4)=4 (5/2)=0



8. 
$$T(n) = 6 T(n_3) + n(5n)$$
  
=  $6T(n_3) + n^{5/2}$   
=  $6T(n_3) + n^{5/2}$   
=  $6 \cdot b = 3 \cdot 0 = 3/2$ 

$$T(n) = 6 \cdot 1(\frac{3}{3}) + n(\frac{1}{3})$$

$$= 6T(\frac{n_3}{3}) + n^{\frac{1}{2}}$$

$$\Rightarrow 6 \cdot 16 = 3, 0 = 3/2$$

$$\Rightarrow 6 \cdot 16 = 3, 0 = 3/2$$

$$\Rightarrow 6 \cdot 16 = 3 \cdot 3 \cdot 5 \cdot 5$$

$$\Rightarrow 5 \cdot 16 = 0 \text{ thus } T(n) \in \Theta(n^{\frac{1}{1993}})$$

$$C_{a} = Multiply (05,32)$$
 $C_{c} = Multiply (05,32) = 0$ 
 $C_{c} = Multiply (5,2) = 10$ 
 $C_{2} = Multiply (5,2) = 10$ 
 $C_{2} = Multiply (5,5) = 25 - c_{2} - 15$ 
 $C_{3} = Multiply (5,5) = 35 - c_{2} - 15$ 
 $C_{3} = Multiply (5,5) = 25 - c_{2} - 15$ 

