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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 数学３年第２学期中間テスト　解答用紙 | | | | | | | | | | | | | 番 | | | | 氏  名 | | |  | | | | | |
| 知識・理解 | | | | 技能 | | | | | | | 数学的な考え方 | | | | | | | | | | 得点 | | | | |
| ／４０ | | | | ／３２ | | | | | | | ／２８ | | | | | | | | | | ／１００ | | | | |
| １ | ① | | ② | | | | | | ③ | | | | | | ④ | | | | | | | | ⑤ | | |
| ⑥ | | ⑦ | | | | | | ⑧ | | | | | | ⑨ | | | | | | | | ⑩ | | |
| ⑪ | | ⑫ | | | | | |
| ２ | (1) | | | | | | (2) | | | | | | | | | | | (3) | | | | | | | |
| ３ | ① | ② | | | | | | ③ | | | | | | ④ | | | | | | | | | | ⑤ | |
| ⑥ | ⑦ | | | | | | ⑧ | | | | | | ⑨  ４の(１) | | | | | | | | | | 3年2中6-1⑩ | |
| ⑪ | ⑫ | | | | | | ⑬ | | | | | |
| ４ | (2) | | | (3) | | | | | | (4) | | | | | | | | |
| ５ | (1) | | | (2) | | | | | | (3) | | | | | | | | |
| (4) | | | (5) | | | | | | (6) | | | | | | | | |
| (7) | | | (8) | | | | | |
| ６ | (1) | | | (2) | | | | | | (3) | | | | | | | | |
| ７ | (1) | | | | | (2) | | | | | | (3) | | | | | | | | | | (4) | | | | |
| (5) | | | | | | | | | | | | | | | | | | | | | | | | | |
| ８ | (1)ア（　　　　）  イ（　　　　） | | | | (2)ｘの変域（　　　　　　　　　）  式（　　　　　　　　　） | | | | | | | | | | | (3) | | | | | | | | | (4) | |
| (5) | | | | | | | | (6) | | | | | | | | | | | | | | | | | |
| 数学３年第２学期中間テスト　解答用紙 | | | | | | | | | | | | | 番 | | | | 氏  名 | | | 模範解答 | | | | | |
| 知識・理解 | | | | 技能 | | | | | | | 数学的な考え方 | | | | | | | | | | 得点 | | | | |
| ／４０ | | | | ／３２ | | | | | | | ／２８ | | | | | | | | | | ／１００ | | | | |
| １  各2点 | ①  ツ | | ②  ハ | | | | | | ③  サ | | | | | | ④  テ | | | | | | | | ⑤  コ | | |
| ⑥  オ | | ⑦  ナ | | | | | | ⑧  エ | | | | | | ⑨  ク | | | | | | | | ⑩  イ | | |
| ⑪  ケ | | ⑫  セ | | | | | |
| ２  各1点 | (1)  ア、エ | | | | | | (2)  イ、エ | | | | | | | | | | | (3)  ウ | | | | | | | |
| ３  各1点 | ①  ｘ＋１ | ②  ｘ＋２ | | | | | | ③　ｘ＋２＝  ｘ（ｘ＋１）－７ | | | | | | ④  ３ | | | | | | | | | | ⑤  －３ | |
| ⑥  自然数 | ⑦  －３ | | | | | | ⑧  ３ | | | | | | ⑨  ア  ４の(１)  ４ | | | | | | | | | | 3年2中6-1⑩　５ | |
| ⑪  ３ | ⑫  ４ | | | | | | ⑬  ５ | | | | | |
| ４ | (2)ｙ＝－ｘ２ | | | (3)  －４ | | | | | | (4)  －４≦ｙ≦０ | | | | | | | | |
| ５  各2点  各2点 | (1)　ｘ＝± | | | (2)　ｘ＝４、－６ | | | | | | (3)ｘ＝－４±２ | | | | | | | | |
| (4)ｘ＝ | | | (5)　ｘ＝９、－６ | | | | | | (6) ｘ＝５，３ | | | | | | | | |
| (7)　ｘ＝５ | | | (8)　ｘ＝０，１２ | | | | | |
| ６  各2点 | (1)Ａ（－２，２）  　 Ｂ（４，８） | | | (2) ｙ＝ｘ＋４ | | | | | | (3) １６ | | | | | | | | |
| ７ | (1)　９個  2点 | | | | | (2)　２４個  2点 | | | | | | (3)　１００個  2点 | | | | | | | | | | (4)　（ｎー２）２  イ  3点 | | | | |
| (5)　 （ｎー２）２－（４ｎ－４）＝４１  これを解いてｎ＝－３、１１　ｎ＝－３は問題に合わない。よって  　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　ｎ＝１１　　　　　3点 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ８ | (1)ア（　　４　）  イ（　１６　）2点 | | | | (2)ｘの変域（　４≦ｘ≦８　　　）  式（　ｙ＝４ｘ　）　2点 | | | | | | | | | | | (3)　秒3点 | | | | | | | | | (4)　イ  　　　　　3点 | |
| (5)ｙ＝４ｘ（４≦ｘ≦８）のときはｘが3秒のときになりｘの変域外になる。よってそれ以外の2式からｙが１２のときのｘを求める。  ２　秒、　秒　　3点 | | | | | | | | (6)　条件を満たすのはｔがｙ＝４ｘ上、  ２ｔがｙ＝－１２ｘ＋１２８上にあるときなので、  ｙ＝４ｔ、ｙ＝－２４ｔ＋１２８これを解いて  　ｔ＝　、面積　　ｃｍ２3点 | | | | | | | | | | | | | | | | | |